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PERMIT TO CONSTRUCT AND OPERATE

PERMITTEE: Town of Waterford
FACILITY NAME: Pump Station Grit and Residue Transfer Facility
FACILITY ADDRESS: 85 Miner Lane, Waterford, CT 06385-3016
PERMIT No.: 15201187 -PCO

Pursuant to Section 22a-208a of the Connecticut General Statutes (“CGS”) and Section 22a-209-4 of the Regulations of Connecticut State Agencies (“RCSA”), a PERMIT TO CONSTRUCT AND OPERATE (“Permit”) IS HEREBY ISSUED by the Commissioner of Energy and Environmental Protection (“Commissioner”) to Town of Waterford (“Permittee”) to CONSTRUCT AND OPERATE a Pump Station Grit and Residue Transfer Facility (“Facility”) located at 85 Miner Lane in Waterford, Connecticut.

A. GENERAL TERMS AND CONDITIONS

1. a. This Permit is based on and incorporates by reference pertinent and appropriate sections of documents and specifications submitted as part of Application No. 201501873, including:
 - i. Application forms received on March 20, 2015, revised August 31, 2015;
 - ii. Operation and Management Plan (O&MP) dated March 2015, revised on August 31, 2015;
 - iii. Plans prepared by Anchor Engineering Services, Inc., dated June 19, 2014 entitled: “Property Layout for the Pump Station Grit and Residue Transfer” and “Site Plan for the Pump Station Grit and Residue Transfer” (“Site Plan”).
 - iv. Email with attached Addendum to the O&MP and Application Form Part V: Facility Information prepared by Anchor Engineering Services, Inc., dated September 1, 2015, responding to review comments.
- b. The Permittee shall maintain at the Facility and have available for reference by Facility staff and inspection by the Commissioner:
 - i. All documents or copies of such documents submitted as Application No. 201501873 and any document submitted in support of said application for the life of this Permit; and
 - ii. A copy of this Permit and the Facility’s Facility Plan which consists of the Operation and Management Plan and the engineered drawings which describe the Facility and its operations; and
- c. The Permittee shall for the life of this Permit, provide to the Department notification within thirty (30) days of any changes in the information provided as part or in support of the application on which this Permit was based. Any inaccuracies found in the information submitted by the Permittee may result in revocation, reissuance, or modification of this Permit and civil or criminal enforcement actions.

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2. As used in this Permit, the following definitions apply:

“Certified Operator” means the solid waste facility operator or an employee of such operator who is present at the facility and oversees or carries out the daily operations authorized through this Permit, and whose qualifications are currently certified in accordance with Section 22a-209-6 of the RCSA.

“CFR” means the Code of Federal Regulations in effect on the date this Permit is issued.

“Commissioner” means the Commissioner of Energy and Environmental Protection.

“Day” means calendar day.

“Department” means the Department of Energy and Environmental Protection.

“P.E.” means Professional Engineer licensed in the state of Connecticut.

“Shipping papers” means a shipping order, bill of lading, manifest or other shipping document serving similar purpose.

3. The Permittee shall comply with all terms and conditions of this Permit. This Permit consists of the conditions contained herein and the specifications contained in the application documents, except where such specifications are superseded by the more stringent conditions contained herein. Violation of any provision of this Permit may be subject to enforcement action pursuant, but not limited, to Sections 22a-6, 22a-208, 22a-225 and 22a-226 of the CGS.
4. The Permittee shall make no changes to the specifications and requirements of this Permit, except in accordance with law.
5. To the extent that any term or condition of this Permit is deemed to be inconsistent or in conflict, with any term or condition of any Permit previously issued for this Facility, including any modifications thereto, or with any data or information contained in the application, or any other documents incorporated by reference in this Permit, the term or condition of this Permit shall control and remain enforceable against the Permittee.
6. The Permittee shall submit for the Commissioner’s review and written approval all necessary documentation supporting any proposed physical/operational upgrades, improvements and/or minor changes in the Facility design, practices or equipment. The Commissioner may issue a written approval only if, in the Commissioner’s judgment, the proposed physical/operational upgrades, improvements and/or minor changes: (a) are deemed necessary for a better and more efficient operation of the Facility; (b) do not significantly change the nature of the Facility, or its impact on the environment; and (c) do not warrant the issuance of a permit or authorization pursuant to Section 22a-208 of the CGS.

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B. AUTHORIZATION TO CONSTRUCT

1. The Permittee is authorized to construct the Facility in accordance with all applicable laws, including this Permit. The Facility shall consist of the following:
 - a. a site access gate;
 - b. a loading bay on a concrete pad;
 - c. Two (2) 20 cubic yard covered Sludge Mate Container Filters (SMCF) Retrofit dewatering units and a spare 20 cubic yard covered SMCF Retrofit dewatering unit;
 - d. A schedule 35 PVC pipe from the existing sewer lateral on-site to an oil and grit separator with a manhole and standpipe, which connects to the existing sewer line; and
 - e. Outdoor storage areas for empty and loaded containers. The loading bay is designed to receive only sewer grit and residue (household non-soluble fats, oils and grease) and for transfer activities.
2. The Permittee is authorized to construct the Facility as described in Condition No. B.1 for the purposes of processing no more than a total of fifty (50) tons per year (TPY) of solid waste types specified in Section C. of this Permit.
3. The Permittee shall control dust, odors, water discharges and noise resulting from the construction and maintenance of the Facility at all times to assure compliance with applicable requirements of the RCSA, and any other applicable laws, including OSHA.
4. The Permittee shall, within fifteen (15) days from the completion of the construction, as described in Condition B.1. above, submit a written notification for the Commissioner's review and written approval. Such notification shall include at a minimum:
 - a. P.E. certified statement that the construction of the Facility improvements has been completed as approved;
 - b. P.E. certified as-built drawings; and
 - c. A request for written authorization from the Commissioner to operate in accordance with Condition No. C. 4. of this Permit.

C. AUTHORIZATION TO OPERATE

1. The Permittee is authorized to operate any or all of the components specified in Condition No. B.1. upon writing approval by the Commissioner and in accordance with all applicable laws, including this Permit. Unless otherwise approved in writing by the Commissioner, the Permittee shall not accept solid waste at the Facility on Sundays or on Monday through Saturday before 8:00 a.m. or after 6:00 p.m.
2. The Permittee shall not exceed the processing and storage limits established by this Permit. Solid waste, other than those listed herein, shall not be accepted, processed, treated, stored, transported or disposed on-site, or otherwise managed at the Facility without prior written approval of the Commissioner.
3. The Permittee is authorized to receive and transfer at the Facility no more than a total of fifty (50) tons/year (TPY) of sewer grit and residue (household non-soluble fats, oils and grease).

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4. The Permittee shall store and manage solid waste at the Facility only in the designated areas as identified in the drawings referenced in Condition No. A.1. a. (iii) of this Permit and in accordance with the following Table below. All storage containers shall be kept covered at all times except when the containers are being filled.

Table 1. Storage and Specifications

<i>Material</i>	<i>Maximum Storage Capacity</i>	<i>Storage Method</i>
<i>Sewer Grit and Residue (Household non-soluble fats, oils and grease)</i>	40 cy	In covered Sludge Mate Container Filters Retrofit model

- a. **Storage and Management of sewer grit and residue.** The sewer line grit and residue shall be unloaded into twenty (20) cubic yard covered Sludge Mate Container Filters (SMCF) Retrofit dewatering units. The dewatering units shall be: (i) intact, structurally sound (i.e., not leaking or corroding); (ii) physically and chemically compatible with the wastes being stored therein; (iii) kept closed with a retractable cover at all times, except when being filled or drained; (iv) elevated to prevent contact with any standing liquids in the containment area; (v) installed and maintained in such a manner as to prevent corrosion and degradation; (vi) granulated limestone shall be added each time materials are added to the container for odor control or as needed; and (vii) periodically inspected and secured to the headwall to prevent accidental movement. Full dewatering units shall be shipped off-site within ten (10) days from the date the dewatering unit was filled.

Collection, storage and transfer operations shall be conducted in a manner which prevents spills and leaks. Any spills and leaks shall be immediately contained, cleaned up, and any residues containerized. All spill cleanup wastes shall be transferred from the Facility to a facility authorized to receive such solid wastes. Spill control, clean-up materials and equipment shall be readily available on-site at all times.

5. The Permittee shall:
- a. Store solid wastes on-site in conformance with proper fire control measures. Routine maintenance and inspections of all fire control equipment shall be conducted in accordance with manufacturer's specifications;
- b. Ensure that all solid waste accepted at the Facility is properly managed on-site, processed, stored and transported to markets or other solid waste processing or disposal facilities authorized to accept such solid waste;
- c. Ensure that any unauthorized solid waste inadvertently received, or solid waste which is unsuitable for processing at the Facility is: (i) immediately sorted, separated, isolated and temporarily stored in a safe manner prior to off-site transport; (ii)

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recorded and reported in the quarterly report required by Condition No. C.9. of this Permit; and (iii) disposed at a facility authorized to accept such solid waste. No more than ten (10) cubic yards of unacceptable solid waste shall be stored on-site unless authorized in writing by the Commissioner. A spare container may be made available for any storage emergency at the Facility;

- d. Provide expeditious notification regarding any emergency incident (explosion, accident, fire, release, or other significant disruptive occurrence) which: (i) significantly damaged equipment or structures; (ii) interrupts the operation of the Facility for greater than twenty-four (24) hours; (iii) results in an unscheduled Facility shutdown or forced diversion of solid waste to other solid waste facilities; (iv) could reasonably create a source of pollution to the waters of the state; or (v) otherwise threatens public health.

Such notification shall be: (i) be immediately conveyed to the Commissioner using the 24-hour emergency response number (860) 424-3338 or the alternate number (860) 424-3333 and in no event later than twenty-four (24) hours after the emergency incident; (ii) verified to the Solid Waste Program in the Waste Engineering and Enforcement Division of the Bureau of Materials Management and Compliance Assurance by phone at (860) 424-3366, or at another current publicly published number for the Solid Waste Program, or by facsimile at (860) 424-4059; (iii) followed by a written report no later than the fifth business day after the emergency incident detailing the cause and effect of the incident, remedial steps taken and emergency backup used or proposed to be implemented; and (iv) be recorded in a log of emergency incidents. In addition to the notification requirements above, the Permittee shall comply with all other applicable reporting or notification requirements regarding the emergency incident including but not limited to, reporting required by Section 22a-450 of the CGS;

- e. Prevent the spillage of solid waste from transfer containers during on-site management, storage and off-site transfer. Each loaded container shall be covered before transfer off-site and the haulers shall be instructed to keep the containers covered during off-site transportation;
 - f. Operate the Facility in a safe manner so as to control fire, odor, noise, spills, vectors, litter, and dust emission levels in continuous compliance with all applicable requirements, including OSHA. The Facility's premises shall be maintained and any litter shall be removed on a daily basis; and
 - g. Ensure that the manufacturer's operation and maintenance manuals for each major piece of fixed or mobile processing equipment, (which may include, but not be limited to, balers; conveyors; compactors; and storage tanks) installed or used at the Facility are available for review by the Commissioner.
6. The Permittee shall have an operator, certified pursuant to Section 22a-209-6 of the RCSA, present at all times during Facility operations. All individuals under the supervision of such certified operator shall have sufficient training to identify solid waste received at the Facility which is not permitted to be received, or is unsuitable for processing, and shall take proper action in managing such solid waste.

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7. The Permittee shall prominently post and maintain a sign at the Facility entrance pursuant to Section 22a-209-9(c) of the RCSA that includes the Facility's name, the Department Permit number (Permit to Construct and Operate No. 15201187-PCO), issuance date, and expiration date. Such sign shall also include a phone number that provides the general public the ability to register questions or complaints twenty-four (24) hours per day. The Permittee shall maintain a log of all calls received and how such calls were addressed or resolved. The Permittee shall also post a sign in accordance with Section 22a-636 of the CGS.
8. The Permittee shall: (a) control all traffic related to the operation of the Facility in such a way as to mitigate queuing of vehicles off-site and any excessive or unsafe traffic impact in the area where the Facility is located; (b) unless otherwise exempted, ensure that vehicles are not left idling for more than three (3) consecutive minutes pursuant to Section 22a-174-18(b)(3) of the RCSA; (c) prominently post and maintain signs limiting such vehicle idling time within the Facility.
9. The Permittee shall maintain daily records as required by Section 22a-209-9(p) of RCSA and Sections 22a-208e and 22a-220 of CGS. Based on such records, the Permittee shall prepare monthly summaries including, but not limited to, the following information as it pertains to solid waste:
 - a. Type and quantity of solid waste received and unauthorized solid waste;
 - b. Origin of waste load (municipality name; regional facility name) and waste hauler name;
 - c. Destination to which solid wastes and unauthorized solid waste from the Facility were delivered for disposal or recycling, including quantities delivered to each destination; and
 - d. All daily logs shall be maintained for the life of this Permit or such other timeframe specified in writing by the Commissioner.

The monthly summaries required pursuant this condition shall be submitted quarterly no later than January 31, April 30, July 31, and October 31 of each year on up-to-date forms prescribed by the Commissioner directly to the Solid Waste Program, Waste Engineering and Enforcement Division, Bureau of Materials Management and Compliance Assurance, Department of Energy and Environmental Protection, 79 Elm Street, Hartford, CT 06106-5127.

10. The Permittee shall, no later than sixty (60) days from the issuance date of this Permit, perform annual compliance audits for the life of this Permit. Such annual compliance audits shall be conducted during active operations at the Facility.
 - a. The compliance audits required by this condition shall consist of a thorough and complete assessment of the Permittee's compliance with Sections 22a-209-1 through 22a-209-17 of the RCSA and with the terms and conditions of this Permit.
 - b. Compliance Auditor

The compliance audits required by this condition shall be performed by an engineer licensed to practice in Connecticut ("P.E.") or consultant. Such P.E. or consultant

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shall be approved in writing by the Commissioner and will be required to prepare and submit to the Commissioner annual compliance audit reports.

The Permittee shall, prior to the Commissioner's approval of the P.E. or consultant: (a) submit for the Commissioner's evaluation a detailed description of the P.E. or consultant's credentials (education; experience; training) which are relevant to the work required under this condition; and (b) certify to the Commissioner that such P.E. or consultant:

- i. Is not a subsidiary of or affiliated corporation to the Permittee or Permitted Facility;
- ii. Does not own stock in the Permittee or any parent, subsidiary, or affiliated corporation;
- iii. Has no other direct financial stake in the outcome of the compliance audit(s) outlined in this Permit;
- iv. Has expertise and competence in environmental auditing and the regulatory programs being addressed through this Permit, including evaluation of compliance with requirements specified in Sections 22a-209-1 through 22a-209-17 of the RCSA and with the terms and conditions of this Permit; and
- v. Within ten (10) days after retaining any P.E. or consultant other than the one originally identified pursuant to this condition, notify the Commissioner in writing of the identity of such other P.E. or consultant by submitting the information and documentation specified in this condition. Nothing in this condition shall preclude the Commissioner from finding a previously acceptable P.E. or consultant unacceptable.

c. Scope of Compliance Audits

Compliance audits shall detail the Permittee's compliance with the requirements of this Permit and all applicable provisions of Sections 22a-209-1 through 22a-209-17 of the RCSA.

d. Compliance Audit Report

The results of each compliance audit shall be summarized in a Compliance Audit report. At a minimum such report shall include:

- i. The names of those individuals who conducted the compliance audit;
- ii. The areas of the Facility inspected;
- iii. The records reviewed to determine compliance;
- iv. A detailed description of the Permittee's compliance with this Permit and applicable regulations;
- v. The identification of all violations of this Permit and applicable regulations;
- vi. A description of the actions taken by the Permittee to correct the violation(s) identified in each compliance audit; and
- vii. The Permittee's certification of compliance with the regulations and documentation demonstrating such compliance pursuant to this Permit. In cases where multiple counts of the same violation are discovered, the report shall include a listing of each count.

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e. Permittee's Responses to Compliance Audit

The Permittee and P.E., or consultant shall comply with the following:

- i. The inspection frequency shall be annual for the life of the Permit;
- ii. All violations shall immediately be brought to the attention of the Permittee by the P.E., or consultant. The P.E., or consultant shall also notify the Department within five (5) days of the inspection of all violations noted during the inspection;
- iii. The Permittee shall correct all violations immediately. Should the Permittee be unable to immediately correct the violation, within seven (7) days of the date of notification of the violation(s), the Permittee shall submit for the review and written approval of the Commissioner, a plan to correct all violations noted. Such plan shall also include a schedule for implementation of the corrective actions required or recommended; and
- iv. Within fifteen (15) days from the inspection date the P.E., or consultant shall submit, to the Department and the Permittee, the compliance audit report. A copy of the compliance audit report shall be maintained at the Facility for the life of the Permit or for such other timeframe specified by the Commissioner.

- f. The Permittee shall cease accepting solid waste at the Facility in the event that the Permittee fails to submit in a timely manner the plan and schedule required by Condition No. C.10.e. of this Permit or fails to correct the violations noted by the inspection(s) in accordance with the approved plan and schedule.

g. Documentation Submittal Deadlines

The documents required to be submitted pursuant to this condition shall be submitted quarterly no later than January 31, April 30, July 31, and October 31 of each year directly to the Solid Waste Enforcement Program, Waste Engineering and Enforcement Division, Bureau of Materials Management and Compliance Assurance, Department of Energy and Environmental Protection, 79 Elm Street, Hartford, CT 06106-5127.

Unless otherwise specified in writing by the Commissioner, any documents required to be submitted under this Permit shall be directed to:

Solid Waste Program
Waste Engineering and Enforcement Division
Bureau of Materials Management and Compliance Assurance
Department of Energy and Environmental Protection
79 Elm Street, Hartford, CT 06106-5127

11. Any document, including, but not limited to any notice, which is required to be submitted to the Commissioner under this Permit shall be signed by a duly authorized representative of the Permittee, as defined in Section 22a-430-3(b)(2) of the RCSA, and by the individual or individuals responsible for actually preparing such documents, each of whom shall certify in writing as follows:

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“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statement in the submitted information may be punishable as a criminal offense.”

Any false statement in any document submitted pursuant to this Permit may be punishable as a criminal offense in accordance with Section 22a-6 of the CGS, pursuant to Section 53a-157 of the CGS, and in accordance with any other applicable statute.

12. The date of submission to the Commissioner of any document required by this Permit shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under this Permit, including but not limited to, notice of approval or disapproval of any document or other action shall be the date such notice is personally delivered or the date three (3) days after it is mailed by the Commissioner, whichever is earlier. Any document or action which is due or required on a weekend or a legal state or federal holiday shall be submitted or performed by the next business day thereafter.
13. This Permit is subject to and in no way derogates from any present or future property rights or other rights or powers of the State of Connecticut and conveys no property rights in real estate or material nor any exclusive privileges, and is further subject to, any and all public and private rights and to any federal, state or local laws or regulations pertinent to the Facility or activity affected thereby.
14. Nothing in this Permit shall affect the Commissioner's authority to institute any proceeding or to take any actions to prevent violations of law, prevent or abate pollution, recover costs and natural resource damages, and to impose penalties for violations of law.
15. Nothing in this Permit shall relieve the Permittee of other obligations under applicable federal, state and local laws.
16. This Permit shall expire five (5) years from the date of issuance and may be revoked, suspended, modified, renewed, or transferred in accordance with applicable laws.

Issued on this _____ day of _____ 2015.

By _____
Michael Sullivan
Deputy Commissioner

Application No. 201501873
Permit to Construct and Operate No. 15201187 -PCO
Permittee - e-Certified ☐